

WHAT IS CLAIMED IS:

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1. A ceramic electronic component comprising:
a component body having a surface and comprising a ceramic
impregnated with a glass, the ceramic having a relative density of about 90% or less;
and
5 a pair of spaced electrodes on the surface of the component body.

2. A ceramic electronic component according to Claim 1, further
comprising a protective layer comprising a glass on a surface of the component body.

3. A ceramic electronic component according to Claim 1, wherein the
glass impregnated in the ceramic has a softening point which does not exceed about
1,000°C.

4. A ceramic electronic component according to Claim 1, wherein the
ceramic comprises a stack of a plurality of layers of a semiconductive barium
titanate, and at least two internal electrodes disposed in the stack at different
interfaces between said layers, each of said two internal electrodes being electrically
5 connected to a different one of the pair of spaced electrodes on the surface of the
component body.

5. A ceramic electronic component according to Claim 4, further
comprising a protective layer comprising a glass on a surface of the component body.

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6. A ceramic electronic component according to Claim 5, wherein the glass impregnated in the ceramic has a softening point which does not exceed about 1,000°C.

7. A ceramic electronic component according to claim 1, wherein the ceramic comprises a barium titanate free of sintering additives.

8. A ceramic electronic component according to Claim 7, further comprising a protective layer comprising a glass on a surface of the component body.

9. A ceramic electronic component according to Claim 7, wherein the ceramic comprises a stack of a plurality of layers of said ceramic, and at least two internal electrodes disposed in the stack at different interfaces between said layers, each of said two internal electrodes being electrically connected to a different one of the pair of spaced electrodes on the surface of the component body.

10. A ceramic electronic component according to Claim 9, further comprising a protective layer comprising a glass on a surface of the component body.

11. A ceramic electronic component according to Claim 10, wherein the glass impregnated in the ceramic has a softening point which does not exceed about 1,000°C.

12. A ceramic electronic component comprising;
a component body having a surface and comprising a semiconductive ceramic comprising a barium titanate free of sintering additives, the ceramic being impregnated with a glass component; and

5 a pair of spaced electrodes on the surface of the component body.

13. A ceramic electronic component according to Claim 12, further comprising a protective layer comprising a glass on a surface of the component body.

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5 14. A ceramic electronic component according to Claim 12, wherein the ceramic comprises a stack of a plurality of layers of a semiconductive barium titanate, and at least two internal electrodes disposed in the stack at different interfaces between said layers, each of said two internal electrodes being electrically connected to a different one of the pair of spaced electrodes on the surface of the component body.

~~15. A ceramic electronic component according to Claim 14, further comprising a protective layer comprising a glass on a surface of the component body.~~

16. A ceramic electronic component according to Claim 15, wherein the glass impregnated in the ceramic has a softening point which does not exceed about 1,000°C.

17. A ceramic electronic component according to Claim 12, wherein the glass impregnated in the ceramic has a softening point which does not exceed about 1,000°C.